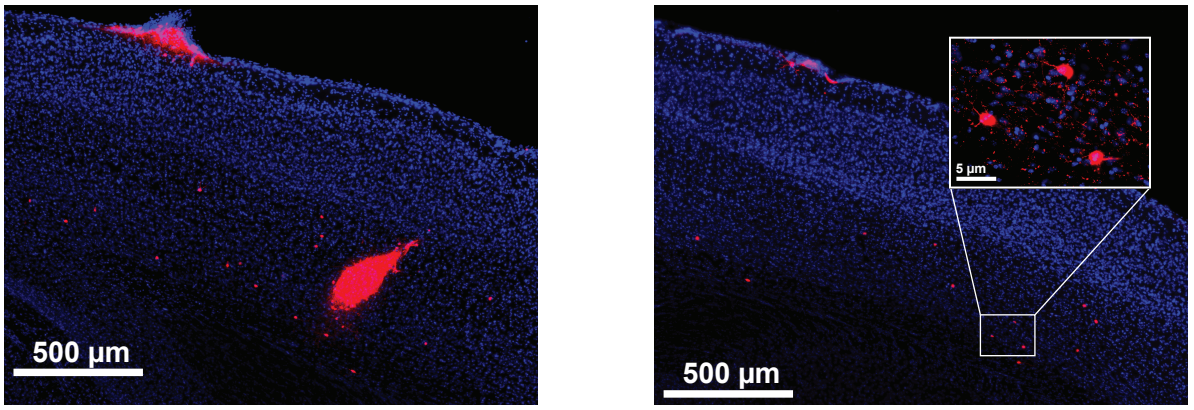
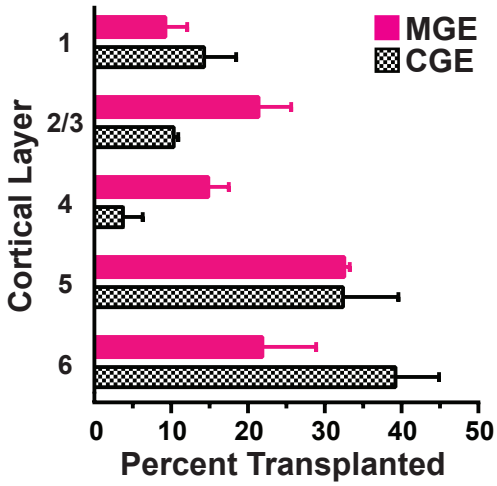
Davis et al., Figure S1

a

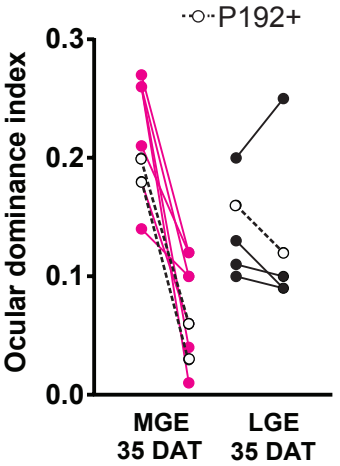


b



Davis et al., Figure S3

a.



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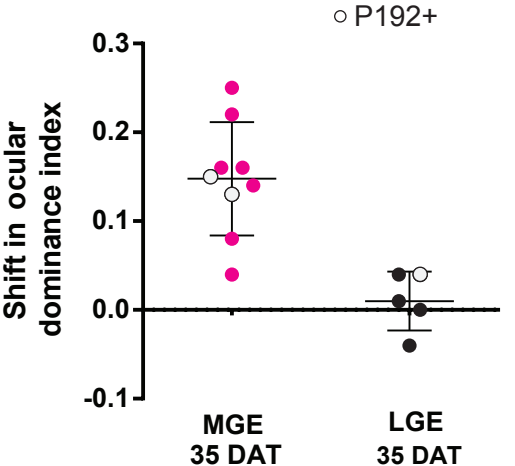

Davis et al., Figure S5

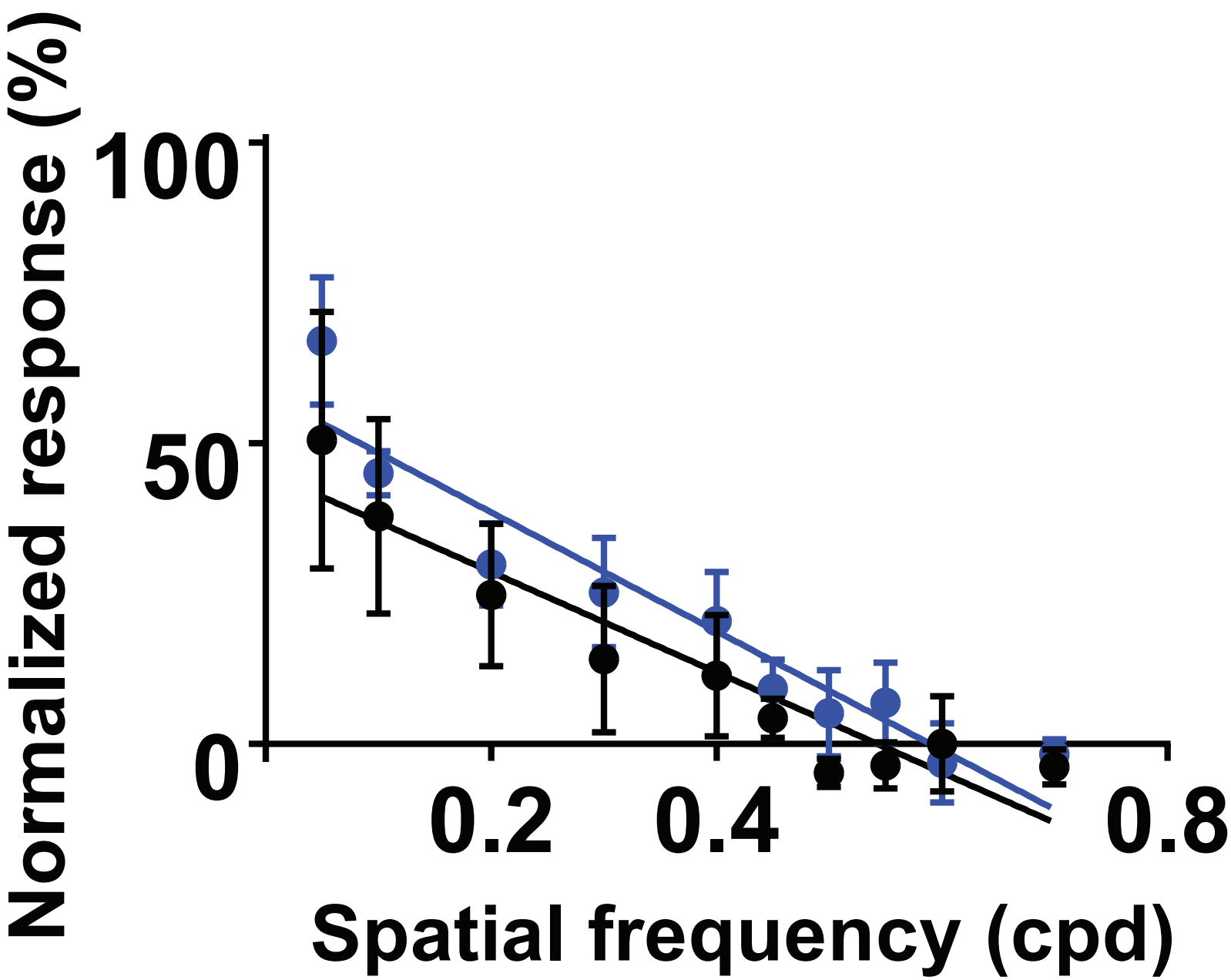

Figure S1. Laminar distribution of inhibitory neurons from CGE and MGE transplantations shown in Figure 1. a, Example sections from a CGE recipient cells 42 days after transplantation (DAT) into adult visual cortex that express the GABAergic neuron marker VGAT (red). Many transplanted inhibitory cells are found close to the injection site (left). Some transplanted CGE cells migrate into the adult cortical tissue (right). **b,** Comparison of the laminar distribution of transplanted CGE (cross hatched; n=193 cells, 3 mice) and MGE (magenta; n=582 cells, 3 mice) inhibitory cells. Whereas MGE cells disperse across cortical layers, CGE cells are mostly found in the deeper layers. Error is reported as SEM.

Figure S3. Transplant induced plasticity shown in Figure 3 is not dependent on recipient age Ocular dominance index (ODI) before and after 4 days of monocular deprivation (4d MD) and shifts in ODI in MGE 35 DAT group (magenta, n=9) and LGE 35 DAT group (black, n=5). Most animals underwent 4d MD at around P100. A few older recipients underwent 4d MD much later in adulthood (empty black circles and dashed lines; P192, n=2, MGE 35 DAT group; P217, n=1, LGE group). **a,** ODI values before and after MD in these older adult recipients were comparable to values for their respective groups. **b,** ODS in older adult animals were within the observed range for their respective groups. Error is reported as SEM.

Figure S5. **No improvement in cortical visual responses for animals shown in Figure 5 is observed up to 24 days after transplantation.** The cortical responses to deprived eye visual stimulation in visually impaired animals were assessed 0 DAT (n= 5; black) and 19-24 DAT (n=3; blue). Cortical responses to the deprived eye were not significantly improved 19-24 DAT from responses obtained at 0 DAT (ANCOVA; p=0.46 for slope, p=0.09 for intercept). Error is reported as SEM.